

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) A method for diagnosing an angina condition in a patient, said method comprising:
 - a) stimulating lymphocytes from said patient,
 - b) determining the frequency of cytokine-producing cells among said lymphocytes,
 - c) comparing said frequency of cytokine-producing cells to a reference frequency to obtain information about said angina condition, and
 - d) classifying said angina condition as stable or unstable based on said information.
2. (Original) The method of claim 1, wherein said lymphocytes are CD4⁺ cells.
3. (Original) The method of claim 1, wherein said lymphocytes are CD8⁺ cells.
4. (Original) The method of claim 1, wherein said stimulating comprises contacting said lymphocytes with a phorbol ester.
5. (Original) The method of claim 4, wherein said phorbol ester comprises phorbol myristate acetate.
6. (Original) The method of claim 1, wherein said stimulating comprises contacting said lymphocytes with a calcium ionophore.
7. (Original) The method of claim 6, wherein said calcium ionophore comprises ionomycin.

8. (Original) The method of claim 1, wherein said frequency of cytokine-producing cells comprises the percent of CD4⁺ cells producing INF- γ .
9. (Original) The method of claim 1, wherein said frequency of cytokine-producing cells comprises the percent of CD8⁺ cells producing INF- γ .
10. (Original) The method of claim 1, wherein said frequency of cytokine-producing cells comprises the percent of CD4⁺ cells producing IL-2.
11. (Original) The method of claim 1, wherein said frequency of cytokine-producing cells comprises the percent of CD4⁺ cells producing IL-4.
12. (Original) The method of claim 1, wherein said reference frequency comprises the median frequency of cytokine-producing cells derived from a population.
13. (Original) The method of claim 12, wherein said median frequency of cytokine-producing cells comprises the median percent of CD4⁺ cells producing INF- γ derived from said population.
14. (Original) The method of claim 12, wherein said median frequency of cytokine-producing cells comprises the median percent of CD8⁺ cells producing INF- γ derived from said population.
15. (Original) The method of claim 12, wherein said median frequency of cytokine-producing cells comprises the median percent of CD4⁺ cells producing IL-2 derived from said population.
16. (Original) The method of claim 12, wherein said median frequency of cytokine-producing cells comprises the median percent of CD4⁺ cells producing IL-4 derived from said population.
17. (Original) The method of claim 12, wherein said population comprises a population of unstable angina patients.

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Page : 5 of 6

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18. (Original) The method of claim 12, wherein said population comprises a population of stable angina patients.

19. (Original) The method of claim 12, wherein said population comprises a population of healthy individuals.

20. (Original) A method for determining the predisposition of an individual to have a stable or unstable angina condition, said method comprising:

- a) stimulating lymphocytes from said individual,
- b) determining the frequency of cytokine-producing cells among said lymphocytes,
- c) comparing said frequency of cytokine-producing cells to a reference frequency to obtain information about said individual, and
- d) classifying said individual as being predisposed to have a stable or unstable angina condition based on said information.

Claims 21-34 (Cancelled)